



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

WinDoor, Inc.
7500 Amsterdam Drive
Orlando, FL 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

DESCRIPTION: Series "9040" Aluminum Double Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **08-00972**, titled "Series 9040 Thermally Broken Aluminum Double Hung – 60" x 99" Small Missile Impact", sheets 1 through 10 of 10, dated 03/31/10 with revision B dated 02/24/16, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA# **12-0130.19** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
7/6/2/16

NOA No. 16-0407.04
Expiration Date: January 27, 2021
Approval Date: June 09, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA#10-0719.11)
2. Drawing No. **08-00972**, titled "Series 9040 Thermally Broken Aluminum Double Hung – 60" x 99" Small Missile Impact", sheets 1 through 10 of 10, dated 03/31/10 with revision B dated 02/24/16, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with installation diagram of an aluminum double hung window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3646-2**, Specimens 1, 2, 3 and 4, dated 12/18/09, signed and sealed by Gerald J. Ferrara, P.E.
(Submitted under NOA#10-0719.11)

C. CALCULATIONS


1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 02/25/16, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 16-0407.04
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WinDoor, Inc.

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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated February 25, 2016, issued by manufacturer, signed and sealed by Luis R. Lomas, P.E.

G. OTHERS

1. Notice of Acceptance No. **12-0130.19**, issued to WinDoor, Inc. for their Series "9040" Aluminum Double Hung Window - S.M.I. approved on 04/05/12 and expiring on 01/27/16.

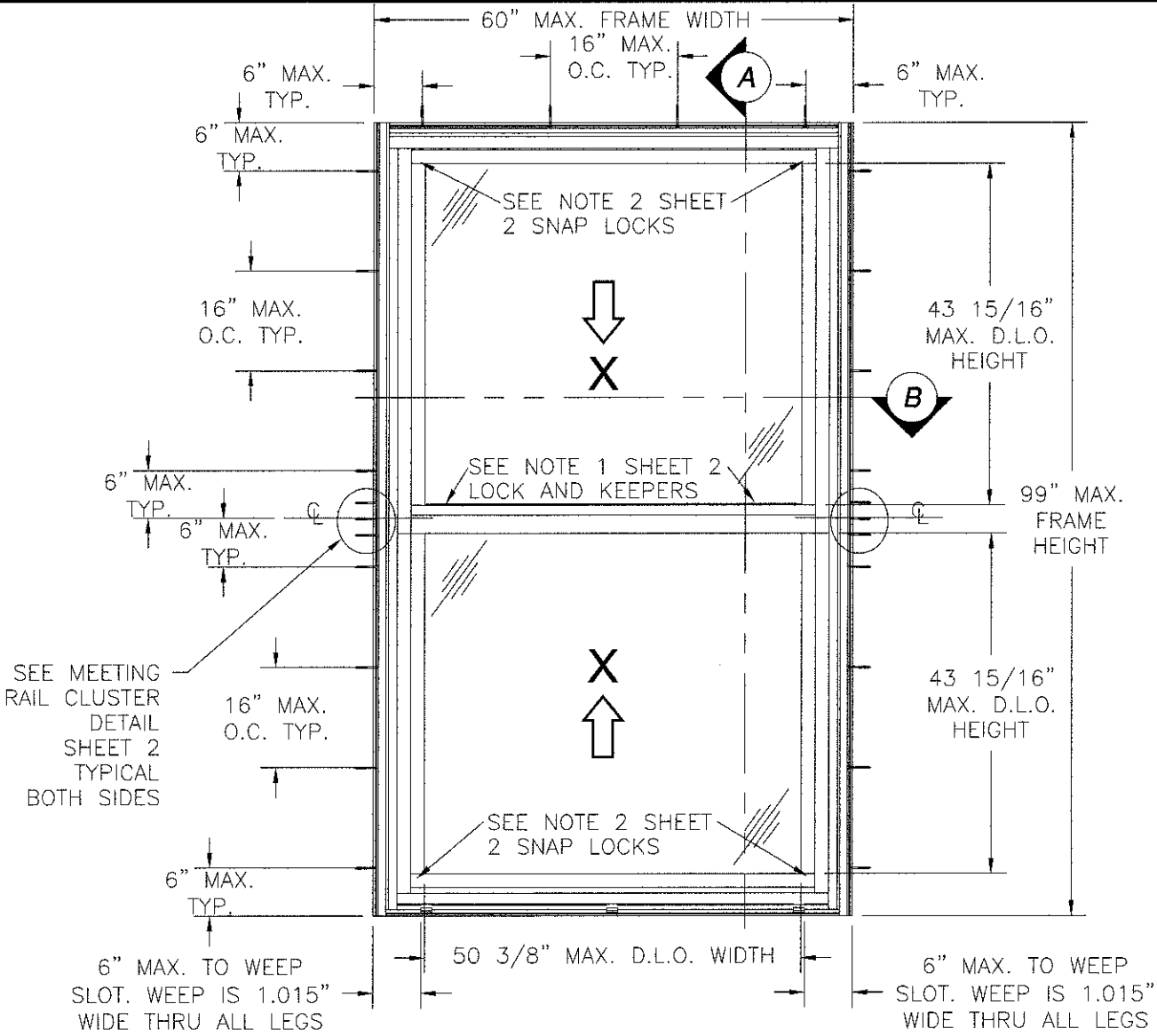


Manuel Perez, P.E.
Product Control Examiner
NOA No. 16-0407.04

Expiration Date: January 27, 2021
Approval Date: June 09, 2016

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 13, 2010	10/14/10	R.L.
B	REVISED NOTES & GLAZING DETAILS	02/24/16	R.L.

- NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 5th EDITION (2014).
 2. WOOD FRAMING, 2X BACKED STEEL FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 3. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 4. FRAME AND SASH MATERIAL: EXTRUDED ALUMINUM 6063-T6
 5. UNITS MUST BE GLAZED PER ASTM E1300-04. SEE SHEET 3 FOR GLAZING DETAILS.
 6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 7. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
 8. FOR ANCHORING INTO MASONRY USE 1/4" ELCO CRETE-FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 9. FOR ANCHORING INTO WOOD FRAMING OR DOUBLE 2X BUCK USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 10. FOR ANCHORING INTO 2X BACKED 16GA. STEEL FRAMING USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 11. ALL FASTENERS USED ARE IN DOUBLE ROW CONDITION, SPACED AT A MINIMUM OF 2 1/2" APART. NO FASTENERS ARE REQUIRED AT SILL. ALL FASTENERS TO BE CORROSION RESISTANT.
 12. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. STEEL FRAMING: 2X BACKED 16GA. (.063" MIN.) STEEL FRAMING.



SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG EQUAL VENT

EXTERIOR VIEW

MAXIMUM UPPER SASH SIZE: 56 7/16" x 50 1/8"
 MAXIMUM LOWER SASH SIZE: 56 7/16" x 50 5/16"

DESIGN PRESSURE RATING	IMPACT RATING
+ 120.0 PSF - 150.0 PSF	SMALL MISSILE IMPACT

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, ANCHORING LAYOUT AND NOTES
2	ELEVATIONS AND ANCHORING LAYOUTS
3 - 4	BILL OF MATERIALS AND GLAZING DETAILS
5	CROSS SECTIONS
6 - 8	INSTALLATION DETAILS
9 - 10	COMPONENTS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 16-0407-04
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 By *Manuel Perez*
 Miami/Dade Product Control

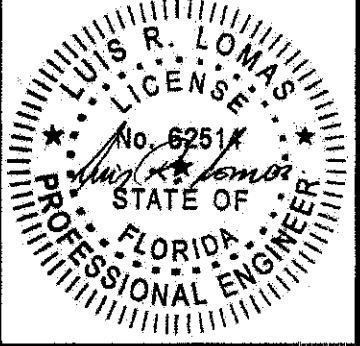
WinDoor
 INCORPORATED

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 Phone: 407.481.8400
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SERIES 9040 THERMALLY BROKEN ALUMINUM
 DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT
 ELEVATION, ANCHORING LAYOUT AND NOTES

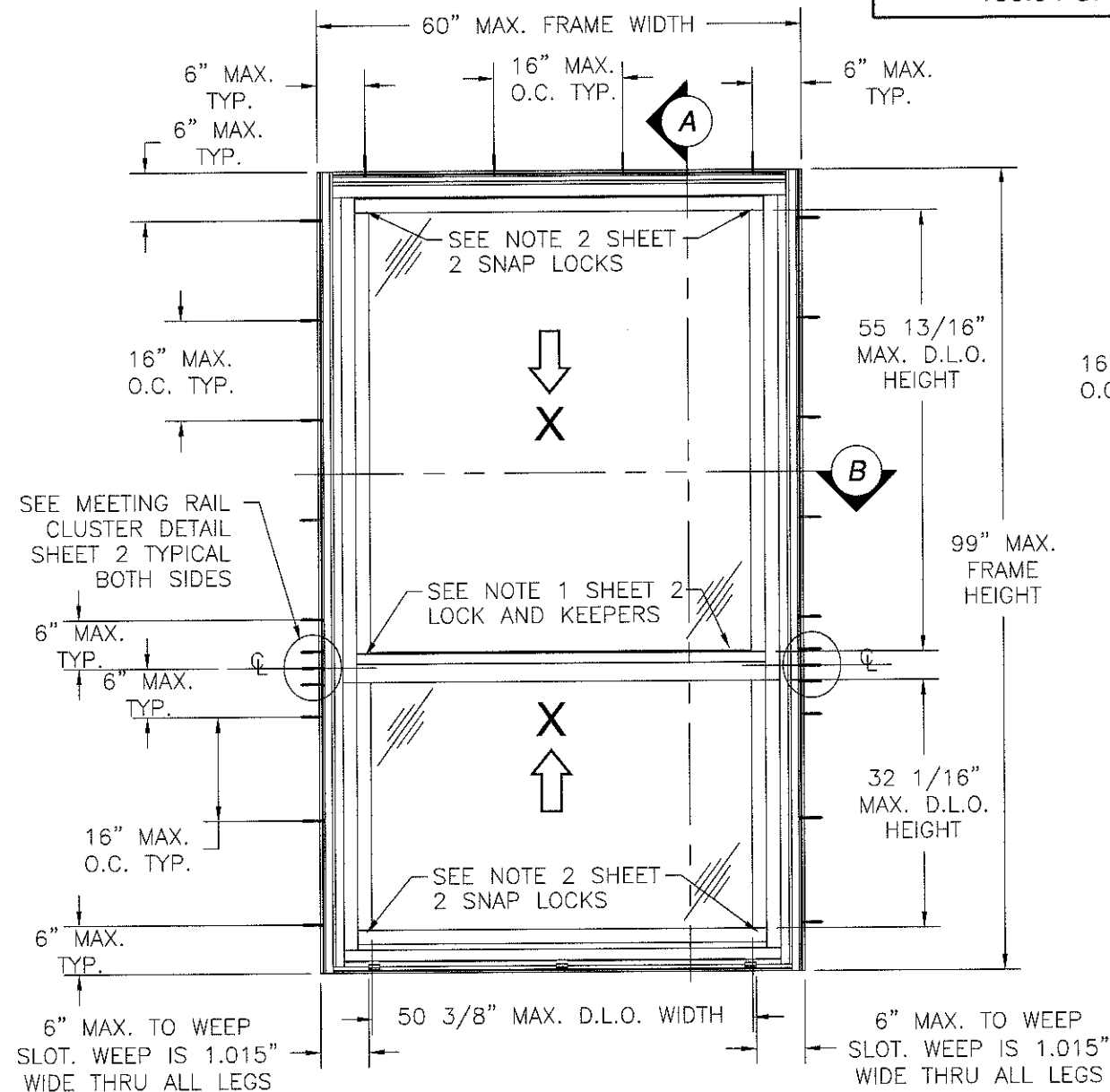
DRAWN: TJH	DWG NO. 08-00972	REV B
SCALE NTS	DATE 03/31/10	SHEET 1 OF 10

SIGNED: 02/25/2016



DESIGN PRESSURE RATING	IMPACT RATING
+ 120.0 PSF - 150.0 PSF	SMALL MISSILE IMPACT

REVISIONS			
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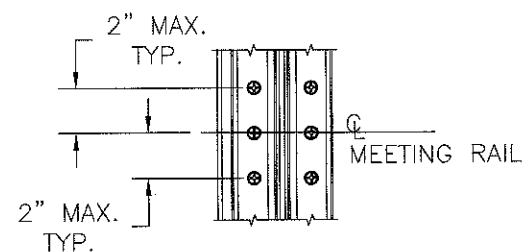


**SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG ORIEL
EXTERIOR VIEW**

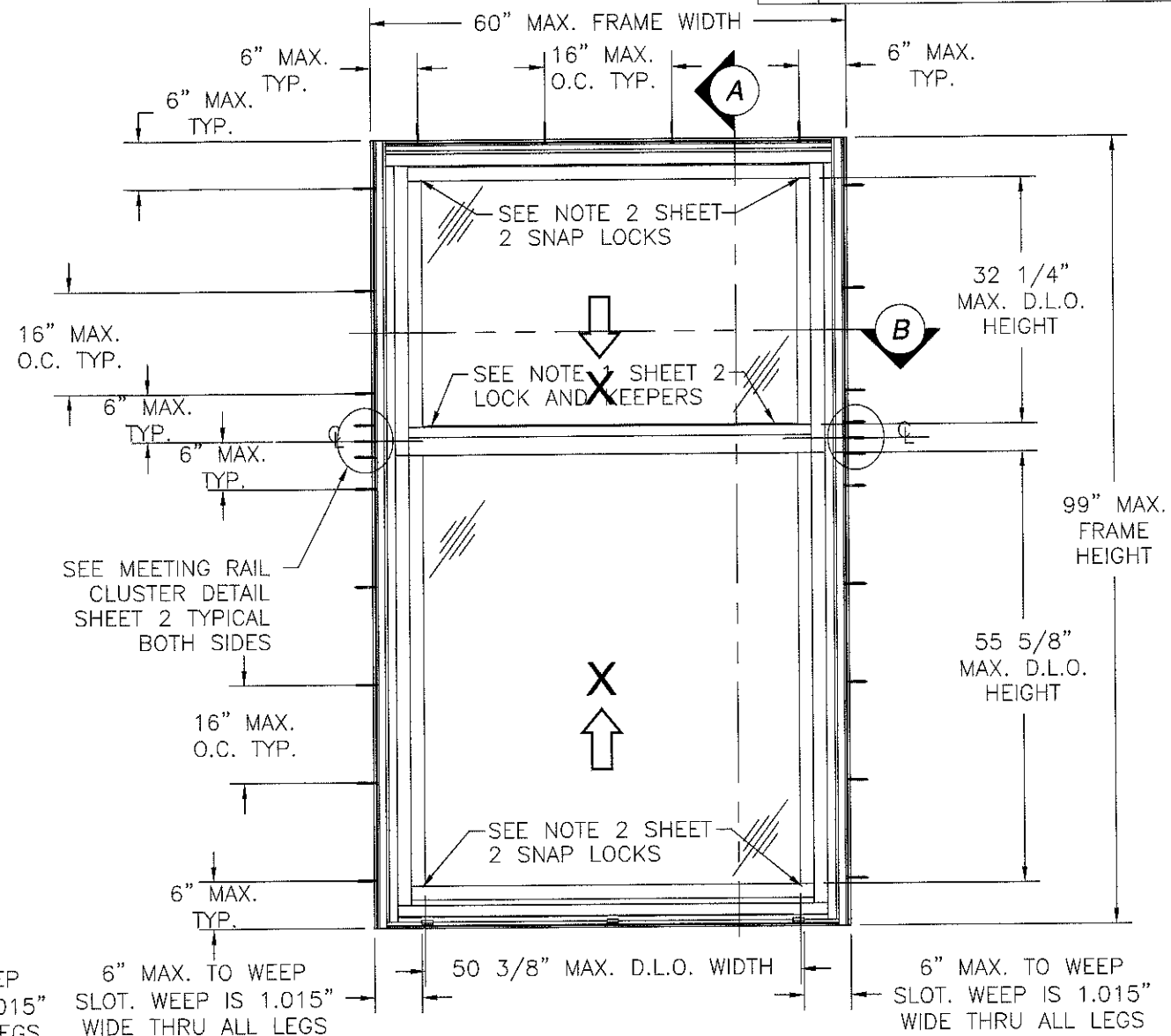
MAXIMUM UPPER SASH SIZE: 56 7/16" x 62"
MAXIMUM LOWER SASH SIZE: 56 7/16" x 38 7/16"

NOTES:

- 1) UNITS OVER 37" WIDE USE (2) SASH LOCKS AND KEEPERS LOCATED 7" FROM RAIL END TO CENTER OF LOCKS. UNITS LESS THAN 37" WIDE USE ONE SASH LOCK AND KEEPER LOCATED IN CENTER OF RAIL.
- 2) UNITS USE (2) SNAP LOCKS ON TOP SASH TOP RAIL LOCATED 3" FROM EACH END OF RAIL AND (2) SNAP LOCKS ON BOTTOM SASH BOTTOM RAIL LOCATED 3" FROM EACH END. EACH SNAP LOCK IS 3 1/8" LONG.



MEETING RAIL CLUSTER DETAIL



**SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG COTTAGE
EXTERIOR VIEW**

MAXIMUM UPPER SASH SIZE: 56 7/16" x 38 7/16"
MAXIMUM LOWER SASH SIZE: 56 7/16" x 62"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0407.04
Expiration Date Jan 27, 2021
By *M. Perez*
Miami Dade Product Control

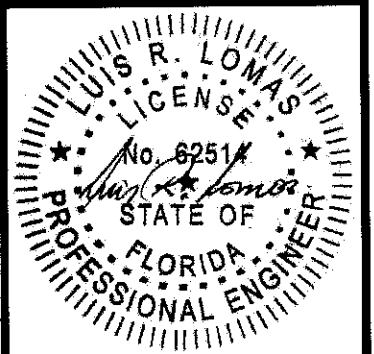
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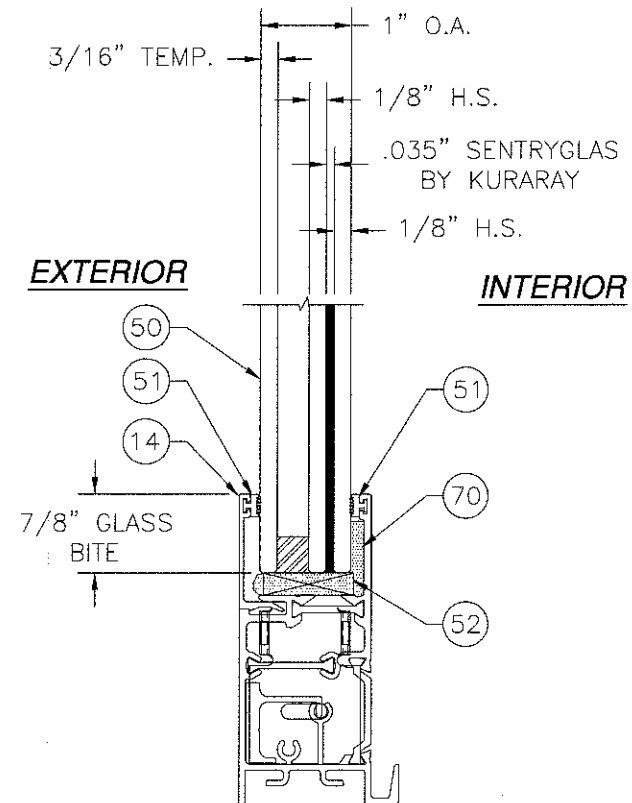
SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT
ELEVATIONS AND ANCHORING LAYOUTS

DRAWN: TJH
DWG NO. 08-00972
SCALE NTS
DATE 03/31/10
SHEET 2 OF 10
REV B

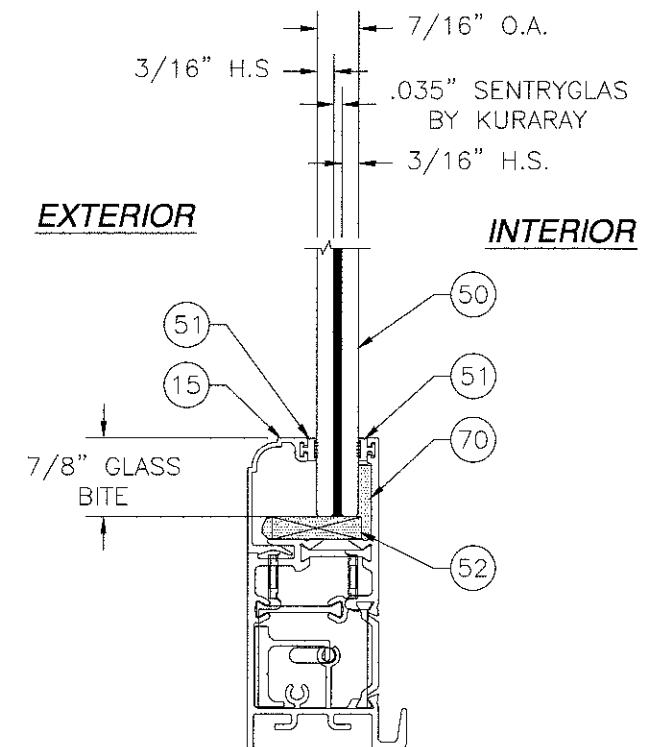
SIGNED: 02/25/2016



PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	904A-FR-1.2	EQUAL LEG FRAME HEAD ASSEMBLY	BONNELL	ALUMINUM 6063-T6
2	904A-FR-3.4	EQUAL LEG FRAME SILL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
3	904A-FR-5.6	EQUAL LEG FRAME JAMB ASSEMBLY	BONNELL	ALUMINUM 6063-T6
4	904A-FR-7.8	FRAME FIXED MEETING RAIL ASS'Y	BONNELL	ALUMINUM 6063-T6
5	904A-SA-1.2	LOWER SASH TOP RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
6	904A-SA-3A.4	LOWER SASH BOTTOM RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
7	904A-SA-5A.6	UPPER SASH TOP RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
8	904A-SA-7.8	UPPER SASH BOTTOM RAIL ASSEMBLY	BONNELL	ALUMINUM 6063-T6
9	904A-SA-9.10	SASH STILE ASSEMBLY	BONNELL	ALUMINUM 6063-T6
10	904X-AC-A	FRAME HEAD INSULATOR	BONNELL	ALUMINUM 6063-T6
11	904X-AC-2	FRAME JAMB INSULATOR	BONNELL	ALUMINUM 6063-T6
12	904X-AC-3	BALANCE COVER	AMSBURY GROUP	
13	904X-AC-4	HEAD COVER	AMSBURY GROUP	
14	904X-AC-8	1" GLASS STOP	BONNELL	ALUMINUM 6063-T6
15	904X-AC-6	7/16" GLASS STOP	BONNELL	ALUMINUM 6063-T6
16	904X-AC-9	FLUSH BOLT	BONNELL	ALUMINUM 6063-T6
17	904X-AC-10	SILL COVER	BONNELL	ALUMINUM 6063-T6
18	904X-AC-11	SASH STOP	BONNELL	ALUMINUM 6063-T6
19	904X-AC-12	SILL SHIM/SCREW BACKUP PLATE	BONNELLE	ALUMINUM 6063-T6
20	904X-AC-13	SILL SCREW CLIP	BONNELL	ALUMINUM 6063-T6
21	904X-AC-14	.625" FACE FLANGE	BONNELL	ALUMINUM 6063-T6
22	904X-AC-15	1.375" FACE FLANGE	BONNELL	ALUMINUM 6063-T6
23	904X-AC-16	SNAP LOCK 3 1/8" WIDE	BONNELL	ALUMINUM 6063-T6
24	904X-AC-17	SCREW BACKUP PLATE		
25	904X-AC-18	SCREEN BOTTOM RAIL		
26	904X-AC-19	SCREEN CENTER RAIL		
27	904X-AC-20	SCREEN STILE		
28	904X-AC-21	SCREEN TOP RAIL		
29	904-HDW-01	SASH GUIDE BRACKET	M-M PLASTICS	GLASS REIN. NYLON
30	904-HDW-02	SASH GUIDE TOP CAP	M-M PLASTICS	NYLON 66
31	904-HDW-03	LIFT HANDLE END CAP	M-M PLASTICS	
32	904-HDW-04	FLUSH BOLT END CAP	M-M PLASTICS	
33	904-HDW-05	FIXED MEETING RAIL RETAINER CLIP	SULLIVAN	
34	904-HDW-06	FLUSH BOLT LOCKING HANDLE	SULLIVAN	
35	904-HDW-07	SCREEN CORNER KEY	SULLIVAN	
36	904-HDW-08	FIXED MEETING RAIL ATTACH BLOCK	M-M PLASTIC	
37	904-HDW-09	FRAME CORNER GASKET	FRANK LOWE	
38	904-HDW-10	SCREEN PLUNGER PIN	JAYSIX, INC.	
39	SK04-0004-000	FLUSH SASH LOCK	INTERLOCK	
40	SK04-2008-000	SASH LOCK BUTTON	INTERLOCK	NYLON 66



**1" IGU LAMINATED
GLAZING DETAIL**



**7/16" LAMINATED
GLAZING DETAIL**

BILL OF MATERIALS IS CONTINUED
ON SHEET 4.

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. 16-0407.04
Expiration Date Jan. 27, 2021
By *Manuel Perez*
Miami/Dade Product Control

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SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT
BILL OF MATERIALS AND GLAZING DETAILS

DRAWN:
TJH

DWG. NO.
08-00972

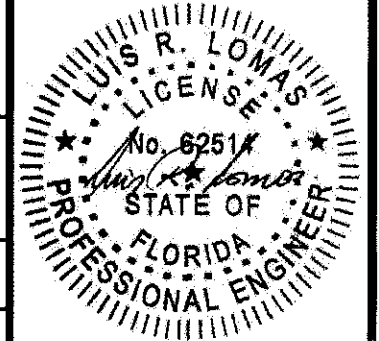
REV
B

SCALE NTS

DATE 03/31/10

SHEET 3 OF 10

SIGNED: 02/25/2016



PARTS LIST									REVISIONS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL					REV	DESCRIPTION	DATE	APPROVED
41	SK04-3002-000	FLUSH LOCK FACE-MOUNT KEEPER	INTERLOCK						A	PER DADE LETTER DATED OCT. 13, 2010	10/14/10	R.L.
42	ULTRALIFT	SPIRAL BALANCE	CALDWELL						B	REVISED NOTES & GLAZING DETAILS	02/24/16	R.L.
43	21B181	BALANCE CARRIER	CALDWELL									
44	21B172	BALANCE CARRIER BRACKET	CALDWELL									
45	LCS068-N5	WEEP COVER WITH FLAP	LCS MOLD.									
46	FD4040S	SCREEN/SNAP LOCK SPRING	FLA. SCREEN									
47	AI-174C-L/R	SCREEN PLUNGER PULL HANDLE-WHT	STRY-BUC									
48	AI-174L-L/R	SCREEN PLUNGER PULL HANDLE-BLK	STRY-BUC									
49	5-81	SCREEN PLUNGER SPRING	STRYBUC/BES									
50		SMALL MISSILE IMPACT GLASS										
51	GS-VN-07A	.090" GLAZING BUMPER	TEAM PLASTICS	VINYL								
52	TP990	GLASS SETTING BLOCK		RUBBER								
53		1/8" x 1/4" STRIP	FRANK LOWE	CLOSED CELL FOAM								
54		1" x 1" INSULATOR	H-O PRODS.	CLOSED CELL FOAM								
55	QEZ 447-1	Q-LON FLAP SEAL	SCHLEGEL	FOAM								
56		.187" BACK x .270" H.D. FIN PILE										
57		.187" x BACK .200" H.D. FIN PILE										
58		#14 x 1 1/2" PH PAN HEAD SMS										
59		#8 x 1 3/4" PH PAN HEAD SMS										
60		#8 x 1 1/2" PH TRUSS HEAD SMS										
61		#8 x 3/4" PH PAN HEAD SMS										
62		#10 x 1 1/4" PH TRUSS HEAD SMS										
63		#10 x 2" PH PAN HEAD SMS										
64		#8 x 1" PH FLAT HEAD SMS										
65		#6 x 3/4" PH FLAT HEAD SMS										
66		#8 x 3/4" PH FLAT HEAD SMS										
67		#6 x 3/8" PH PAN HEAD SMS										
68		#6 x 1/2" PH FLAT HEAD SMS										
69		#6 x 2" PH PAN HEAD SMS										
70	SIKAFLEX 552	HIGH-STRENGTH ADHESIVE	SIKA CORP.	SILANE POLYMER								
71		FIN PILE PAD 1.688" x 1.75" x .5"										
72	904-HDW-11	BALANCE TAKEOUT CLIP	SULLIVAN									
73		#10 x 1/2" PH FLAT HEAD SMS										
74	904-HDW-04	SASH GUIDE TOP CAP SCREW COVER	M-M PLASTICS									
75		#8 x 3/4" PH TRUSS HEAD SMS										
76		#8 x 1/2" PH PAN HEAD TEK SCREW										
77		.188" DIA. x 1.25" ROLL PIN	MSC SUPPLY	STAINLESS STEEL								
78		#14 x 1 1/4" PH PAN HEAD SMS										
79	279200	18.6mm STRUT	TECHNOFORM US	POLYMIDE 66								
80	279800	30mm STRUT	TECHNOFORM US	POLYMIDE 66								

BILL OF MATERIAL
CONTINUED FROM SHEET 3

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
81	279400	20mm STRUT	TECHNOFORM US	POLYMIDE 66
82	279500	20mm STRUT	TECHNOFORM US	POLYMIDE 66
83	279600	24mm STRUT	TECHNOFORM US	POLYMIDE 66

FRAME CONSTRUCTION:
FRAME IS A BUTT CORNER CONSTRUCTION. HEAD AND SILL ARE ATTACHED TO JAMBS WITH (4) #8 x 3/4" PPH SMS AT EACH CORNER.

FIXED MEETING RAIL ATTACHMENT BLOCK IS ATTACHED TO FIXED MEETING RAIL RETAINER CLIP WITH (2) #8 x 3/4" PFH SMS. FIXED MEETING RAIL IS SLIPPED OVER FIXED MEETING RAIL BLOCK AND ATTACHED WITH (1) #8 x 3/4" SMS AT EACH SIDE. FIXED MEETING RAIL BLOCK IS ATTACHED TO JAMB INSULATOR WITH (3) #10 x 2" PPH SMS AT EACH END. JAMB INSULATOR IS ATTACHED TO JAMB WITH (4) #14 x 1 1/2" PPH SMS AT EACH END.

SASH CONSTRUCTION:
BOTH UPPER AND LOWER SASH ARE BUTT CORNER CONSTRUCTION. EACH CORNER IS SCREWED TOGETHER WITH (2) #8 PHILLIP TRUSS HEAD SMS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0407-01
Expiration Date Jan 24, 2021
By *Manuel Ruiz*
Miami Dade Product Control

WinDoor
INCORPORATED

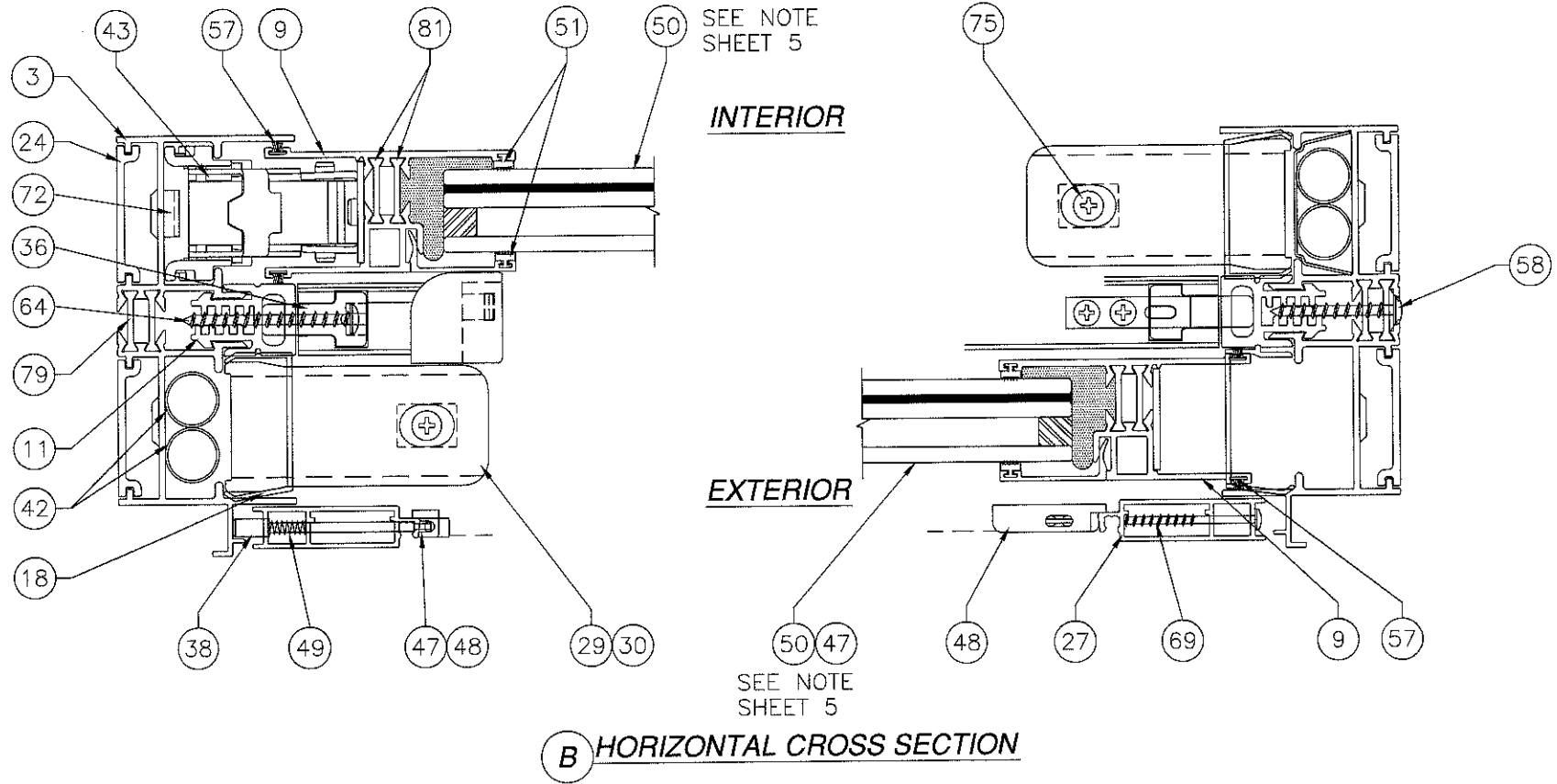
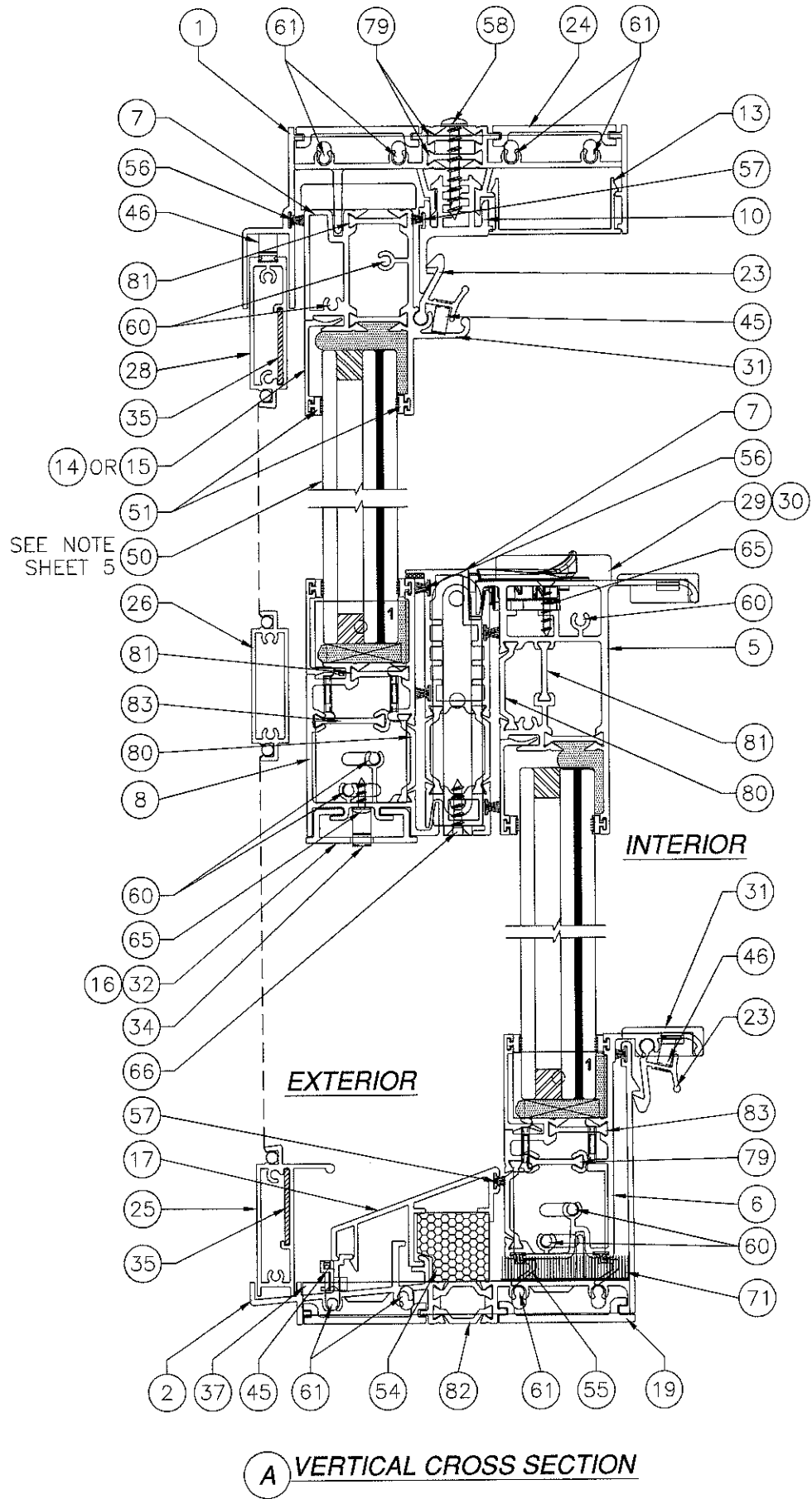
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DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT
BILL OF MATERIALS

DRAWN: TJH	DWG NO. 08-00972	REV B
SCALE NTS	DATE 03/31/10	SHEET 4 OF 10

SIGNED: 02/25/2016

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B	REVISED NOTES & GLAZING DETAILS	02/24/16	R.L.



NOTE:
CROSS SECTIONS SHOWN WITH 1" IGU
LAMINATED GLASS. 7/16" LAMINATED GLASS
IS ALSO APPROVED. SEE APPROVED GLAZING
DETAILS ON SHEET 3.

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INCORPORATED

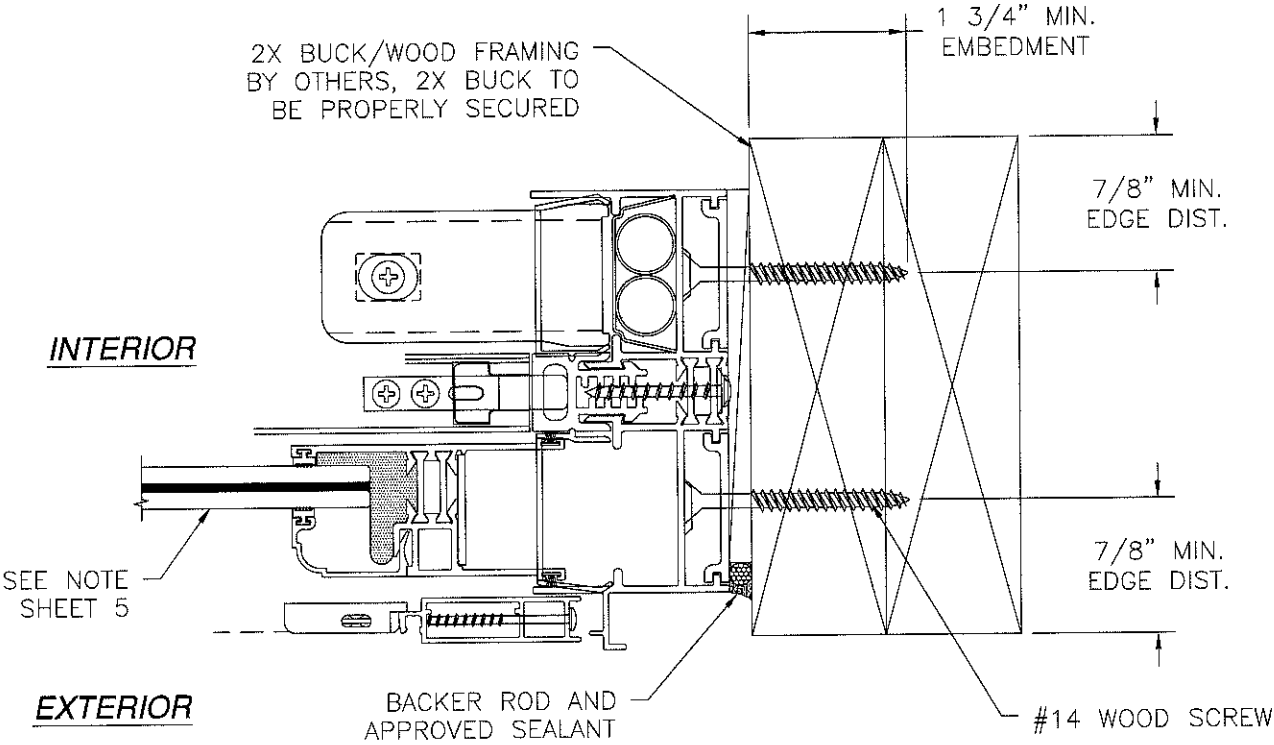
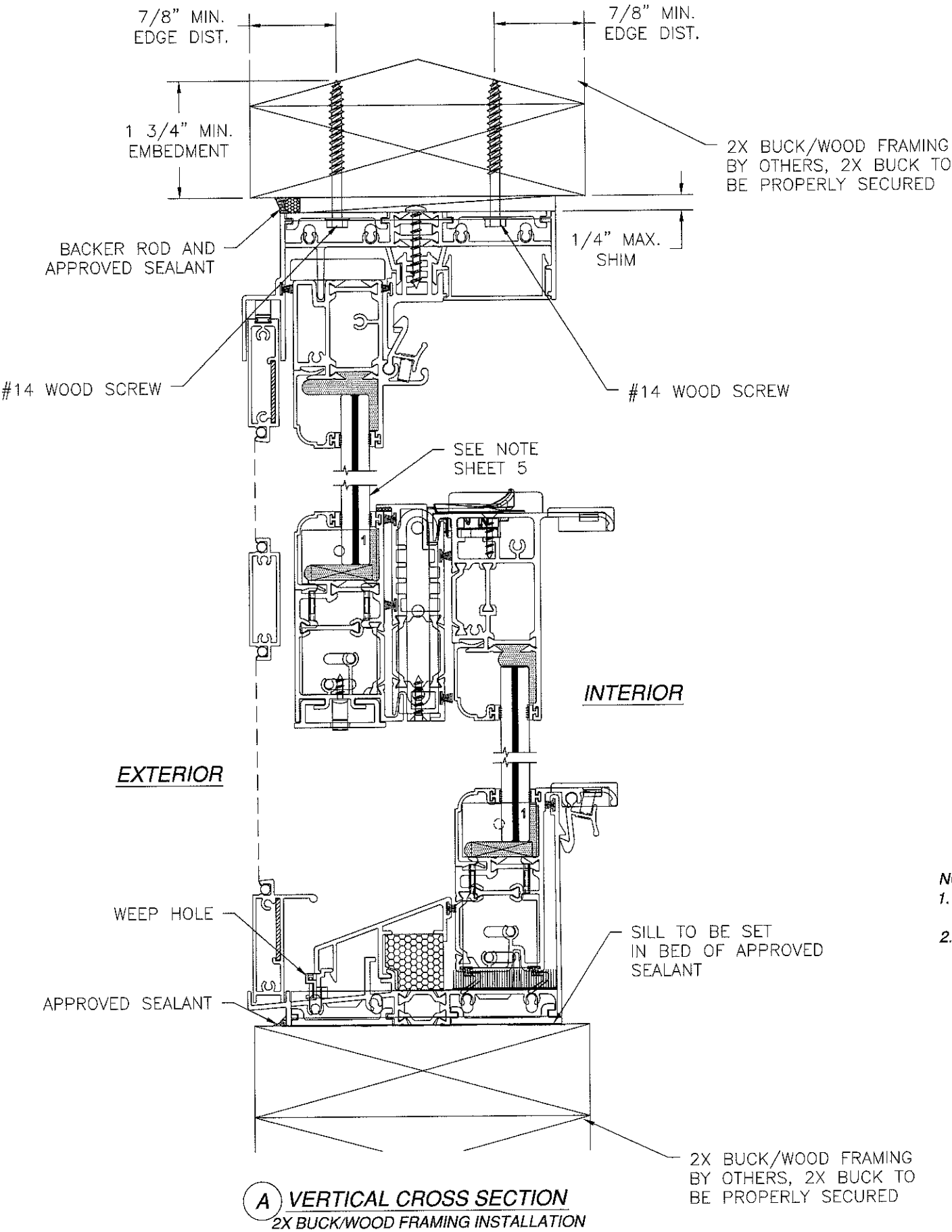
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT
CROSS SECTIONS

DRAWN: TJH	DWG. NO. 08-00972	REV B
SCALE NTS	DATE 03/31/10	SHEET 5 OF 10

SIGNED: 02/25/2016

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 13, 2010	10/14/10	R.L.
B	REVISED NOTES & GLAZING DETAILS	02/24/16	R.L.



B HORIZONTAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 02/25/2016

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-040704
Expiration Date Jan. 21, 2021
By *Manuel Perez*
Miami Dade Product Control

WinDoor
INCORPORATED

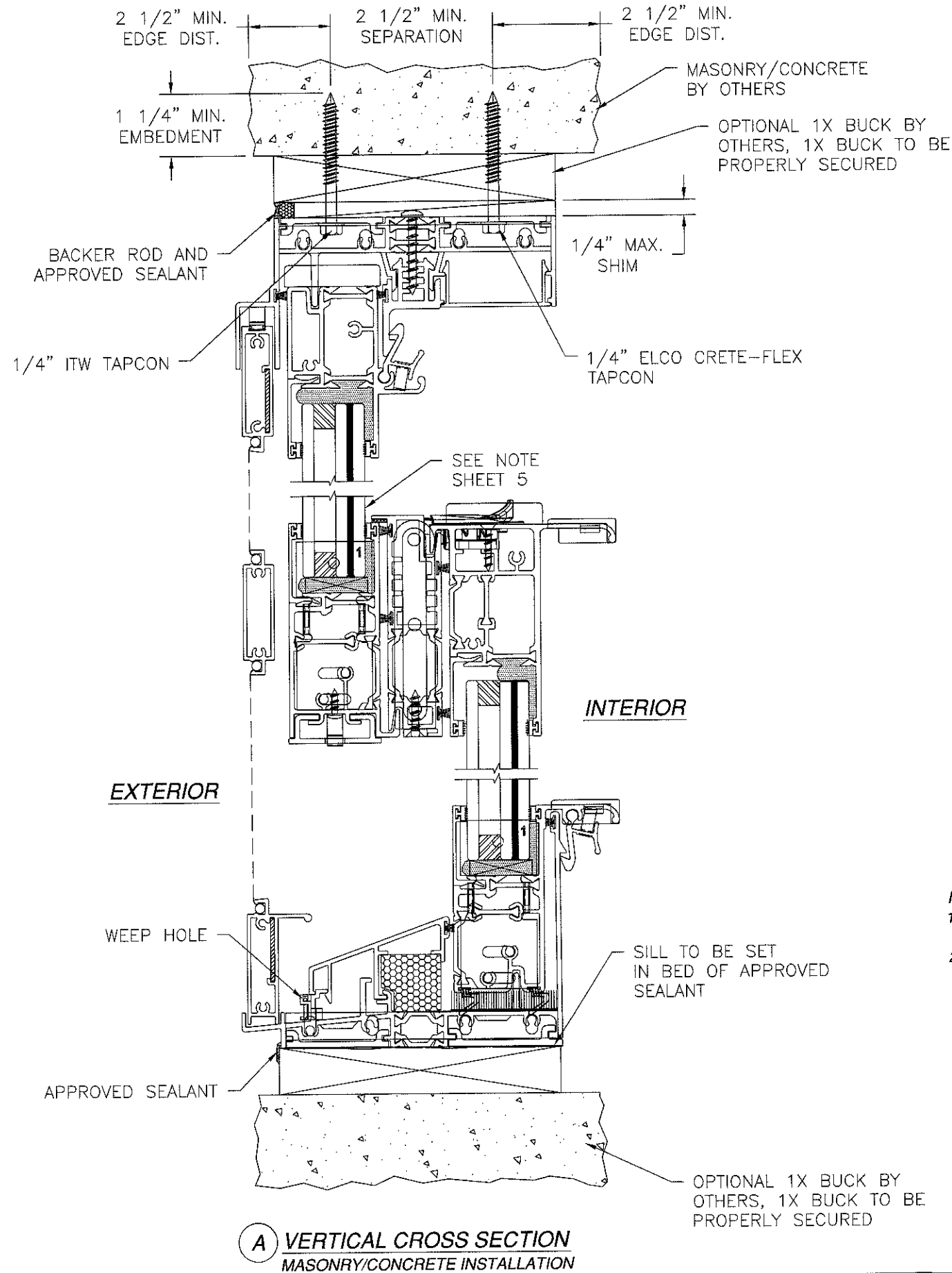
7500 AMSTERDAM DRIVE
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SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT
INSTALLATION DETAILS

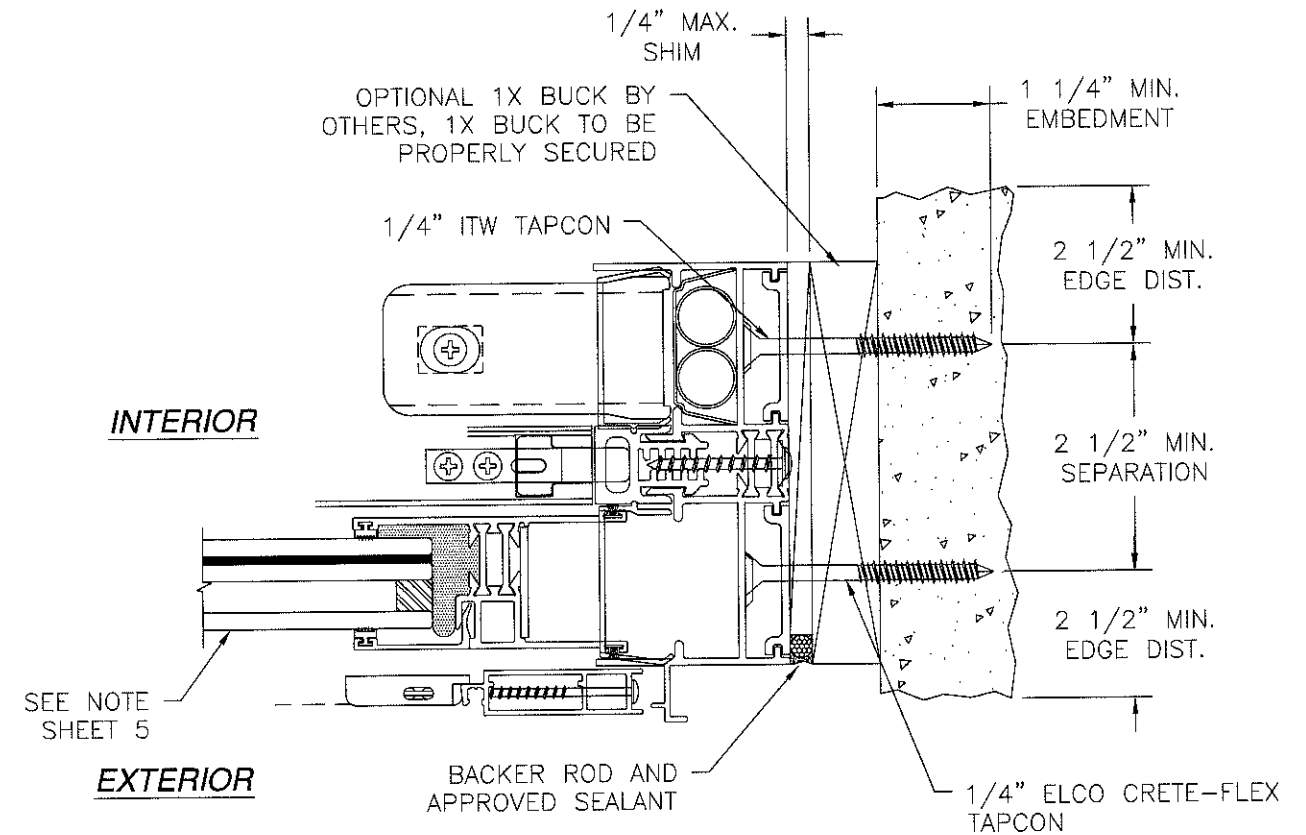
DRAWN: TJH	DWG NO. 08-00972	REV B
SCALE NTS	DATE 03/31/10	SHEET 6 OF 10

LUIS R. LOMAS
No. 6251
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 13, 2010	10/14/10	R.L.
B	REVISED NOTES & GLAZING DETAILS	02/24/16	R.L.



A VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION



B HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

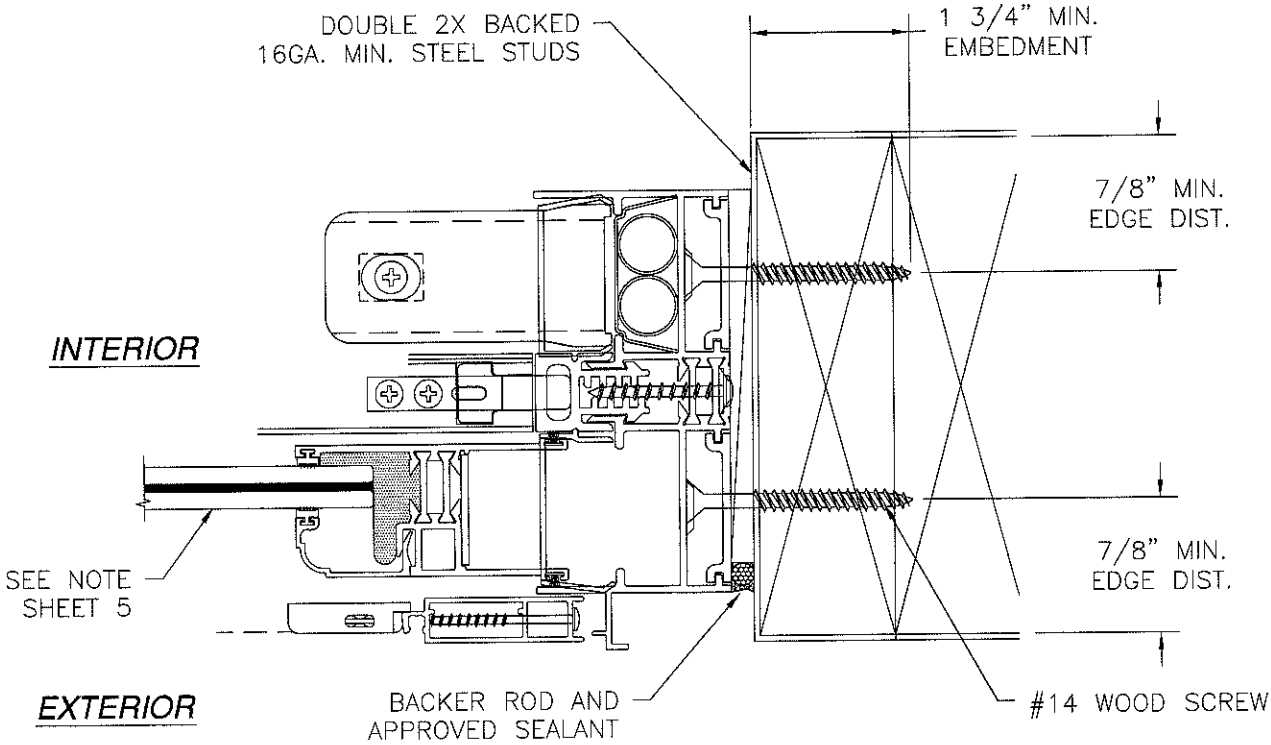
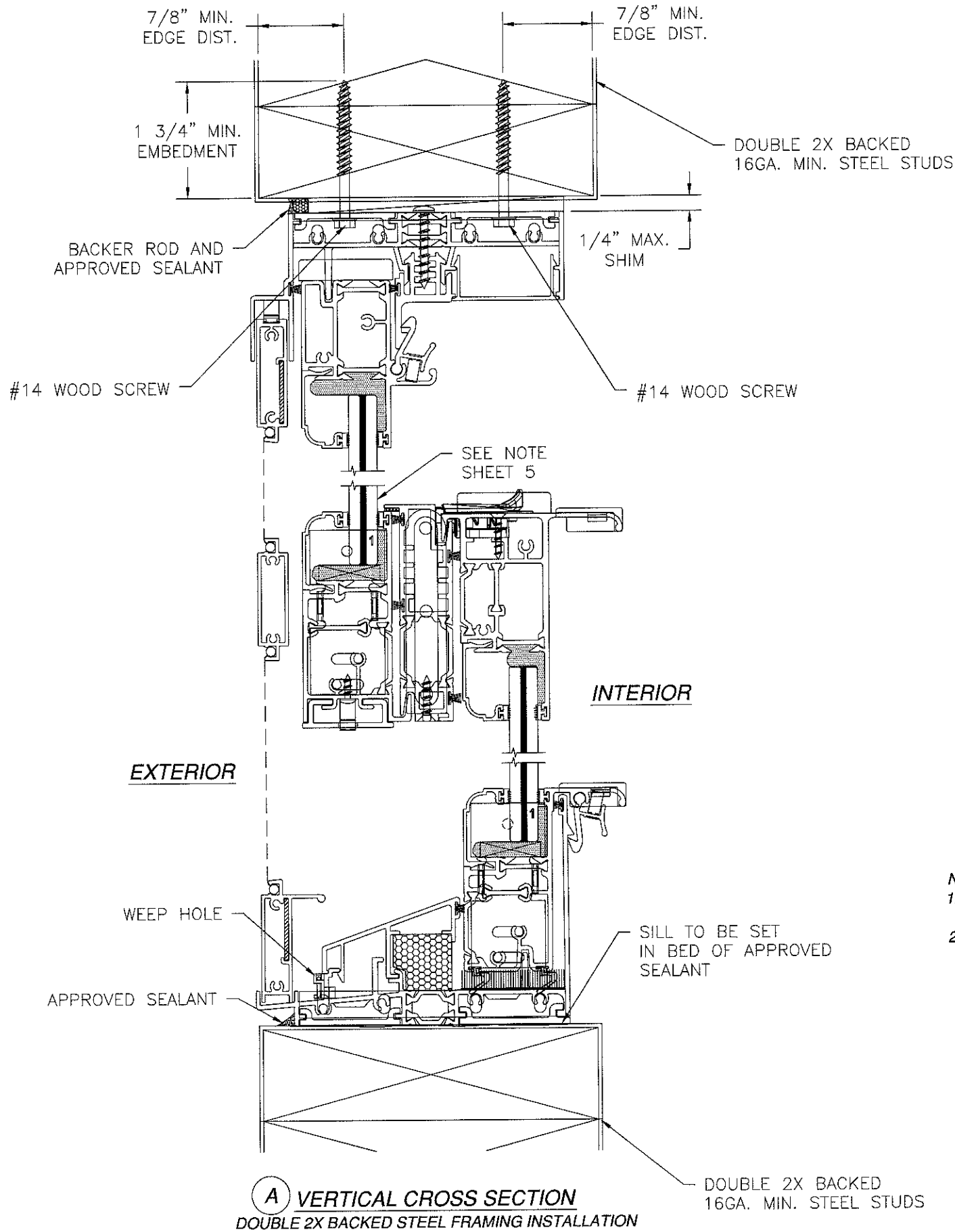
NOTES:

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SIGNED: 02/25/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>16-0407-04</u> Expiration Date <u>By 2/1/2021</u> By <u>Manuel Perez</u> Miami Dade Product Control	WinDoor INCORPORATED		7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	SERIES 9040 THERMALLY BROKEN ALUMINUM DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT INSTALLATION DETAILS			
	DRAWN: TJH	DWG NO. 08-00972	REV B	
	SCALE NTS	DATE 03/31/10	SHEET 7 OF 10	

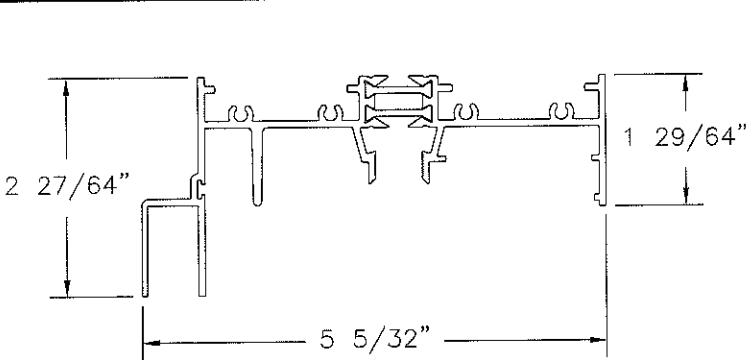
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 13, 2010	10/14/10	R.L.
B	REVISED NOTES & GLAZING DETAILS	02/24/16	R.L.



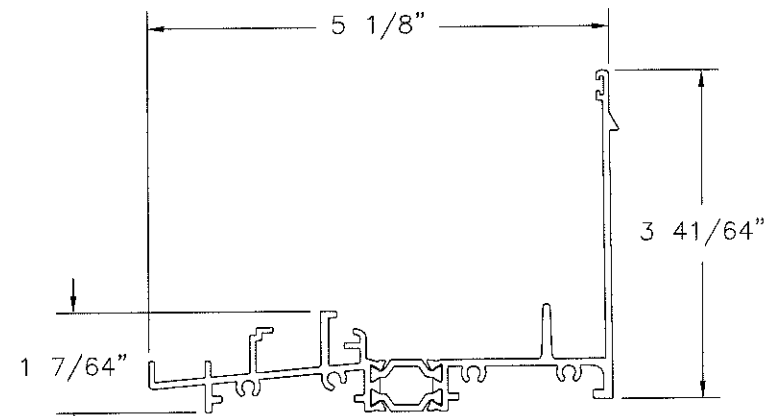
- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 02/25/2016

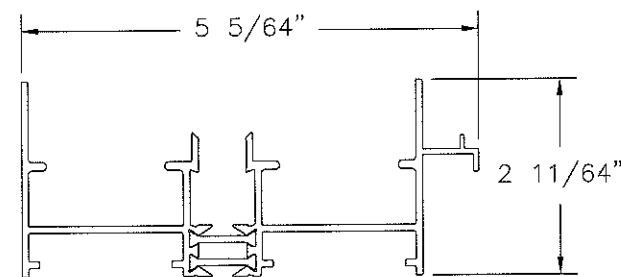
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 16-0407.04 Expiration Date Jan. 21, 2021 By <i>Manuel Perez</i> Miami Dade Product Control	WinDoor INCORPORATED		7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	SERIES 9040 THERMALLY BROKEN ALUMINUM DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT INSTALLATION DETAILS			
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	SCALE NTS	DATE 03/31/10	SHEET 8 OF 10	



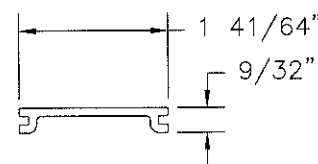
1 EQUAL LEG FRAME HEAD ASSEMBLY
ALLUMINUM 6063-T6 .075\" THICK
WITH (2) ITEM #79



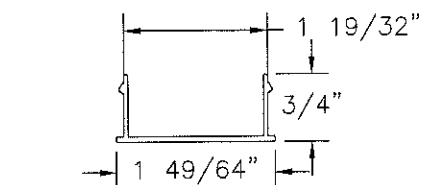
2 EQUAL LEG FRAME SILL ASSEMBLY
ALLUMINUM 6063-T6 .075\" THICK
WITH (2) ITEM #82



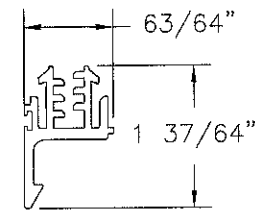
3 EQUAL LEG FRAME JAMB ASSEMBLY
ALLUMINUM 6063-T6 .075\" THICK
WITH (2) ITEM #79



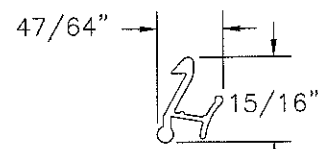
24 SCREW BACKUP PLATE
ALLUMINUM 6063-T6 .090\" THICK



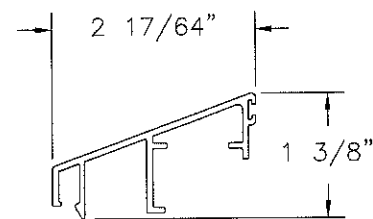
13 HEAD COVER
ALLUMINUM 6063-T6 .060\" THICK



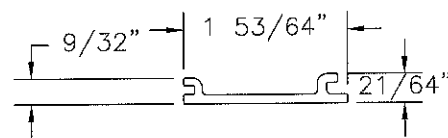
10 FRAME HEAD INSULATOR
ALLUMINUM 6063-T6 .125\" THICK



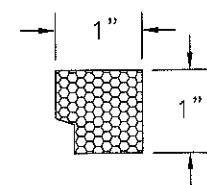
23 SNAP LOCK
ALLUMINUM 6063-T6 .050\" THICK



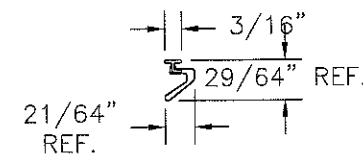
17 SILL COVER
ALLUMINUM 6063-T6 .070\" THICK



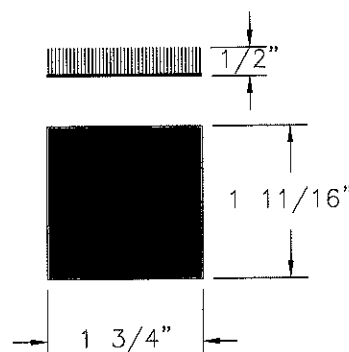
**19 SILL SHIM/SCREW
BACKUP PLATE**
ALLUMINUM 6063-T6 .100\" THICK



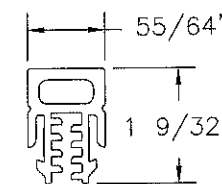
54 1\"/>



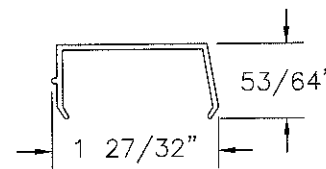
**55 Q-LON FLAP SEAL
FOAM**



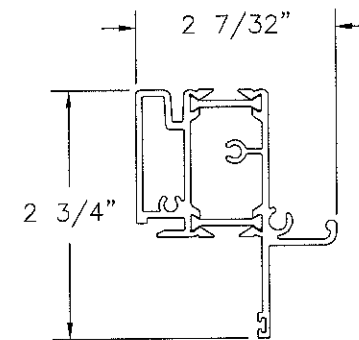
71 FIN PILE PAD



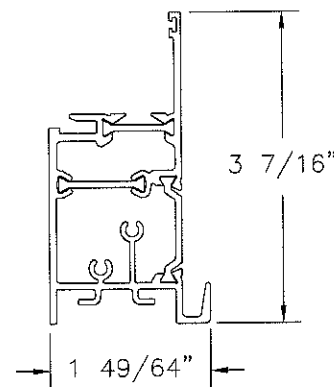
11 FRAME JAMB INSULATOR
ALLUMINUM 6063-T6 .125\" THICK



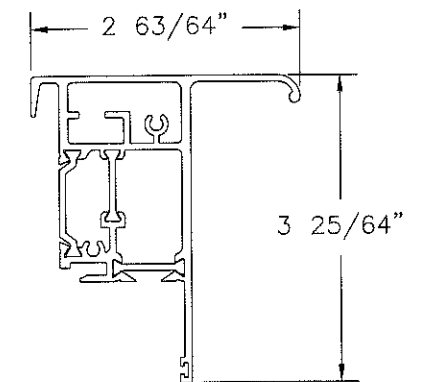
18 SASH STOP
ALLUMINUM 6063-T6 .060\" THICK



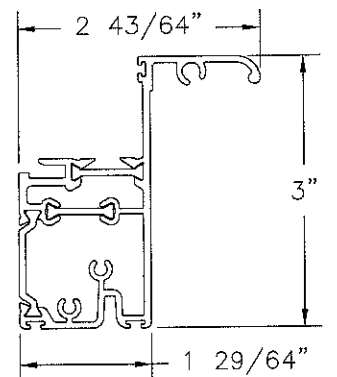
**7 UPPER SASH TOP
RAIL ASSEMBLY**
ALLUMINUM 6063-T6 .070\" THICK
WITH (2) ITEM #81



**8 UPPER SASH BOTTOM
RAIL ASSEMBLY**
ALLUMINUM 6063-T6 .075\" THICK
WITH (1) ITEM #80 (1) ITEM
#81 AND (1) ITEM #83



**5 LOWER SASH TOP
RAIL ASSEMBLY**
ALLUMINUM 6063-T6 .100\" THICK
WITH (1) ITEM #80 AND (2) ITEM #81



**6 LOWER SASH BOTTOM
RAIL ASSEMBLY**
ALLUMINUM 6063-T6 .075\" THICK
WITH (1) ITEM #80, (1) ITEM #81
AND (1) ITEM #79

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 13, 2010	10/14/10	R.L.
B	REVISED NOTES & GLAZING DETAILS	02/24/16	R.L.

SIGNED: 02/25/2016

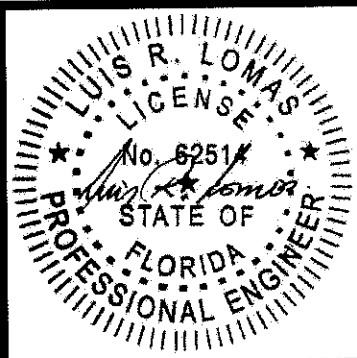
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0407-04
Expiration Date Jan 27, 2021
By *Manuel M...*
Miami Dade Product Control

WinDoor
INCORPORATED

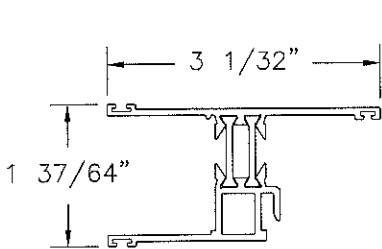
7500 AMSTERDAM DRIVE
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www.windoorinc.com

SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG - 60\"/>

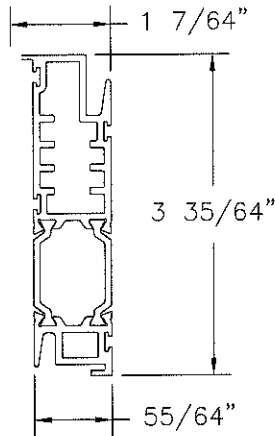
DRAWN: TJH	DWG NO. 08-00972	REV B
SCALE NTS	DATE 03/31/10	SHEET 9 OF 10



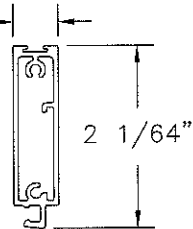
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 13, 2010	10/14/10	R.L.
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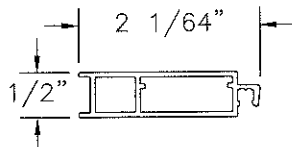
9 **SASH STILE ASSEMBLY**
ALLUMINUM 6063-T6 .070" THICK
WITH (2) ITEM #81



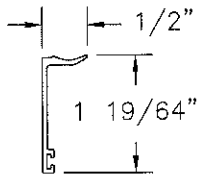
4 **FRAME FIXED MEETING RAIL ASSEMBLY**
ALLUMINUM 6063-T6 .075" THICK
WITH (2) ITEM #80



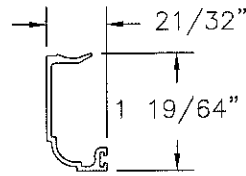
28 **SCREEN TOP RAIL**
ALLUMINUM 6063-T6 .055" THICK



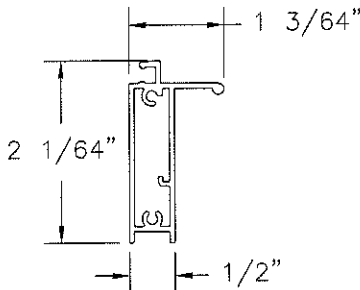
27 **SCREEN STILE**
ALLUMINUM 6063-T6 .055" THICK



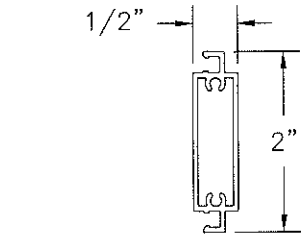
14 **1" GLASS STOP**
ALLUMINUM 6063-T6 .050" THICK



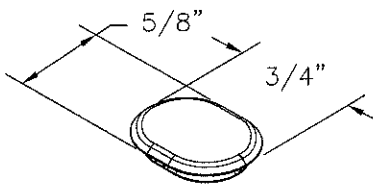
15 **7/16" GLASS STOP**
ALLUMINUM 6063-T6 .050" THICK



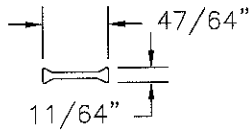
25 **SCREEN BOTTOM RAIL**
ALLUMINUM 6063-T6 .055" THICK



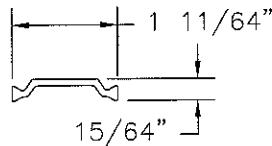
26 **SCREEN CENTER RAIL**
ALLUMINUM 6063-T6 .055" THICK



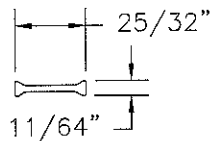
40 **SASH LOCK BUTTON**
NYLON 66 .150" THICK



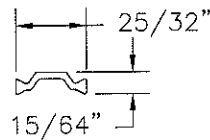
79 **18.6mm STRUT**
POLYIMIDE 66 .071" THICK



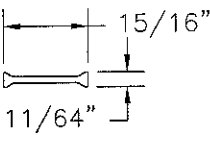
80 **30mm STRUT**
POLYIMIDE 66 .071" THICK



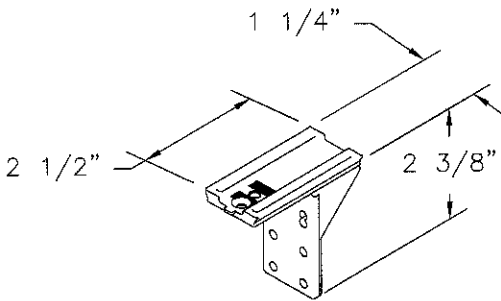
81 **20mm STRUT**
POLYIMIDE 66 .071" THICK



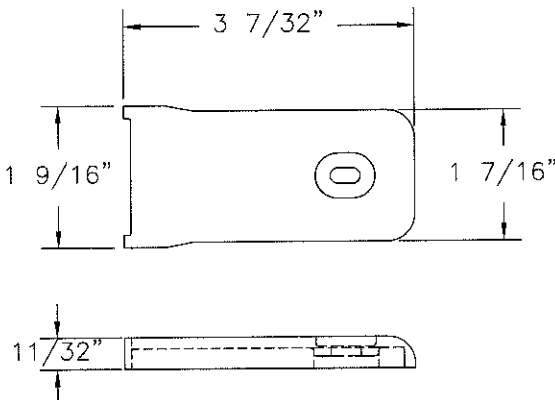
82 **20mm STRUT**
POLYIMIDE 66 .071" THICK



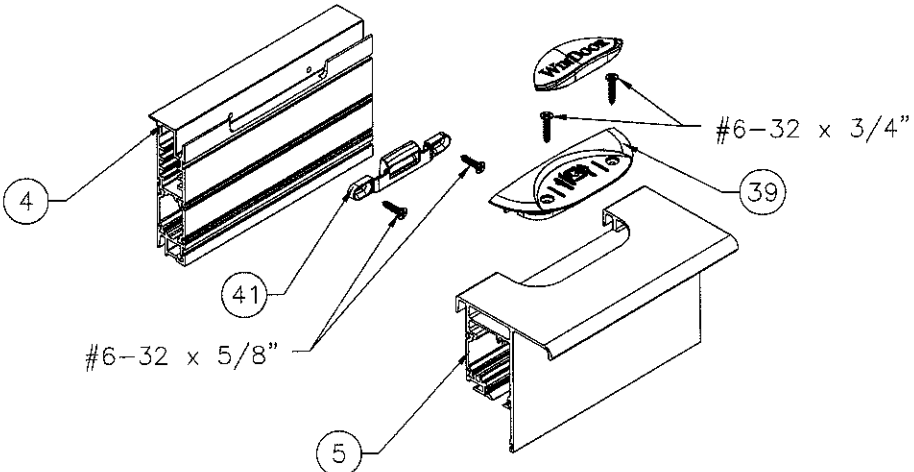
83 **24mm STRUT**
POLYIMIDE 66 .071" THICK



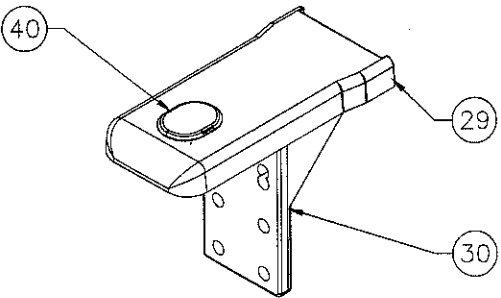
29 **SASH GUIDE BRACKET**
30% GLASS REINFORCED NYLON



30 **SASH GUIDE BRACKET**
NYLON 66 .060" THICK



SASH LOCK AND KEEPER ASSEMBLY



SASH GUIDE ASSEMBLY

SIGNED: 02/25/2016

PRODUCT REVISED
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Acceptance No. 16-040704
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SERIES 9040 THERMALLY BROKEN ALUMINUM
DOUBLE HUNG - 60" x 99" SMALL MISSILE IMPACT
COMPONENTS

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 62514
Luis R. Lomas

DRAWN: TJH
SCALE NTS
DATE 03/31/10
SHEET 10 OF 10

DWG NO. 08-00972
REV B